

Appendix F: TerrPlant Example Output

Output based on ground application of simazine to Christmas trees @ 5.94 lb ai/A

| Table 1. Chemical Identity. | |
|-----------------------------|-----------------|
| Chemical Name | Simazine |
| PC code | 80807 |
| Use | Christmas trees |
| Application Method | ground |
| Application Form | liquid |
| Solubility in Water (ppm) | 3.5 |

| Table 2. Input parameters used to derive EECs. | | | |
|--|--------|-------|-------|
| Input Parameter | Symbol | Value | Units |
| Application Rate | A | 5.94 | y |
| Incorporation | I | 1 | none |
| Runoff Fraction | R | 0.01 | none |
| Drift Fraction | D | 0.01 | none |

| Table 3. EECs for Simazine. Units in y. | | |
|---|----------------------|--------|
| Description | Equation | EEC |
| Runoff to dry areas | $(A/I)*R$ | 0.0594 |
| Runoff to semi-aquatic areas | $(A/I)*R*10$ | 0.594 |
| Spray drift | $A*D$ | 0.0594 |
| Total for dry areas | $((A/I)*R)+(A*D)$ | 0.1188 |
| Total for semi-aquatic areas | $((A/I)*R*10)+(A*D)$ | 0.6534 |

| Table 4. Plant survival and growth data used for RQ derivation. Units are in y. | | | | |
|---|--------------------|-------|------------------|-------|
| Plant type | Seedling Emergence | | Vegetative Vigor | |
| | EC25 | NOAEC | EC25 | NOAEC |
| Monocot | 0.02 | x | 0.033 | x |
| Dicot | 0.009 | x | 0.033 | x |

| Table 5. RQ values for plants in dry and semi-aquatic areas exposed to Simazine through runoff and/or spray drift.* | | | | |
|---|---------------|---------|--------------|-------------|
| Plant Type | Listed Status | Dry | Semi-Aquatic | Spray Drift |
| Monocot | non-listed | 5.94 | 32.67 | 2.97 |
| Monocot | listed | #VALUE! | #VALUE! | #VALUE! |
| Dicot | non-listed | 13.20 | 72.60 | 6.60 |
| Dicot | listed | #VALUE! | #VALUE! | #VALUE! |

*If RQ > 1.0, the LOC is exceeded, resulting in potential for risk to that plant group.